

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1835	714/38.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:17
L2	2	714/38.ccls. and (mttf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:38
L3	0	714/38.ccls. and (mean adj time adj to adj failure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:15
L4	3	714/38.ccls. and (mean adj time adj failure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:15
L5	1	714/38.ccls. and (mttfailure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:16
L6	300	717/126.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 08:13
L7	1	717/126.ccls. and (mttf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:17
L8	2	(mttf) with software	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:18
L9	6	(mean adj time adj failure) with software	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:18

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L10	9	("4870575"   "5253184"   "5500941"   "5548718"   "6357019"   "6453468").PN. OR ("6862696").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:18
L11	22	("4435756"   "4571679"   "4578750").PN. OR ("4870575").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:30
L14	75	(failure adj prediction) with (software program application)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:37
L15	771	(failure adj prediction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:31
L16	1157	714/47.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:37
L17	231	714/47.ccls. and (predict\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:37
L18	203	714/38.ccls. and (predict\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/22 07:38



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[Y Huang](#)[C Liu](#)[W Stallings](#)[D Estrin](#)[J Wilkes](#)[A scalable, robust network for parallel computing - group of 6 »](#)

P Cappello, D Mourdoukos - Proceedings of the 2001 joint ACM-ISCOPE conference on Java ..., 2001 - portal.acm.org

... considerations, given the economics of **software** development ... tolerates a sequence of server **failures**. ... should have the same **mean time between failure** as mission ...[Cited by 8](#) - [Related Articles](#) - [Web Search](#)[Performance modeling and measurements of real time multiprocessors with time-shared buses - group of 7 »](#)

MH Woodbury, KG Shin - Computers, IEEE Transactions on, 1988 - ieeexplore.ieee.org

... mined, such as processor **idle time**, contention for ... simulated, and hardware and **software** measurements can be ... values for the **mean time between failures** (MTBF) of ...[Cited by 4](#) - [Related Articles](#) - [Web Search](#)[\[book\] Fault Injection Techniques and Tools for Embedded Systems Reliability Evaluation](#)

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Y Huang, P Jaiote - Reliable Distributed Systems, 1989, Proceedings of the ..., 1989 - ieeexplore.ieee.org

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M Baker, M Shah, DSH Rosenthal, M Roussopoulos, P ... - Arxiv preprint cs.DL/0508130, 2005 - arxiv.org

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M Bruccoleri, M Amico, G Perrone - International Journal of Production Research, 2003 - Taylor &amp; Francis

... Exceptions can be thought of as differences **between** the actual and the expected ... in advance and decisions are made locally in a real-time fashion to ... e **failures**, ...[Cited by 9](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)[Design of the RIO \(Randomized I/O\) Storage Server - group of 9 »](#)

JR Santos, R Muntz - UCLA CSD Tech Rp., Jun, 1997 - ramsi.cs.ucla.edu

... result shows that the difference **between** the maximum number ... leave the system over time, describing the problem ... exponential improvement in the **mean waiting time** of ...[Cited by 12](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)[Coherence-Centric Logging and Recovery for Home-Based Software Distributed Shared Memory - group of 10 »](#)

A Kongmunvattana, NF Tzeng - Proc. 1999 Int'l Conf. Parallel Processing (ICPP'99), 1999 - doi.ieee-computersociety.org

... The execution **between** nondeterministic events is completely deterministic. ... It lists total execution time, the **mean** log size, the total log size, and the ...[Cited by 8](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)[Transparent recovery from intermittent faults in time-triggered distributed systems - group of 2 »](#)

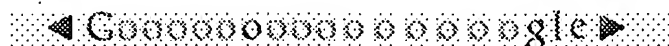
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... y) using conservative MTTR and fiber **failure** rates (U ... and is the (programmable) interval **between** dark cells ... hence MDTs, are calculated from **mean time** to repair ...[Cited by 14](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

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**Software Rejuvenation: Analysis, Module and Applications - group of 3 »**

Y Huang, C Kintala, N Kolettis, ND Fulton - International Symposium on Fault-Tolerant Computing, 1995 - doi.ieeecs.org

... of data in the context of **software** reliability but does not study it further. 383 ...I MTBF, the **mean time between** two consecutive **failures**, is 12 months; so ...Cited by 211 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**[book] Probability and statistics with reliability, queuing, and computer science applications - group of 3 »**

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... **mean**) at each resource per visit, branching probabilities- often ... during the transferof control **between** components. ... and delay **time** distributions ...Cited by 959 - [Related Articles](#) - [Web Search](#) - [Library Search](#)**A Markov chain model for statistical software testing - group of 9 »**

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... 5] applied the NHPP in **software** reliability modeling ... is a Poisson distribution witha **mean** and variance ... 3 **Failure Time and Time Between Failures** The expressions ...Cited by 103 - [Related Articles](#) - [Web Search](#)**Why do computers stop and what can be done about it - group of 12 »**

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... Assuming, as is usually the case, that an operations or **software** fault caused ... Expectedreliability is proportional to the **Mean Time Between Failures** (MTBF). ...Cited by 230 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)**The infeasibility of quantifying the reliability of life-critical real-time software - group of 18 »**

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... Then the **mean time to failure** of the system (assuming ... that bug 23 will have a **failure**rate of ... sample rate systems (ie, systems where the **time between** inputs is ...Cited by 165 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Experimental study of Internet stability and backbone failures - group of 30 »**

C Labovitz, A Ahuja, F Jahanian - Fault-Tolerant Computing, 1999. Digest of Papers. Twenty- ..., 1999 - ieexplore.ieee.org

... of earlier studies have examined **failures** in the ... stability of major paths **between**Internet Service ... an ag- gregate low **mean time between failures** for individual ...Cited by 114 - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)**A Bayesian Reliability Growth Model for Computer Software**

B Littlewood, JI Verrall - Applied Statistics, 1973 - JSTOR

... 335 Let the random variable T-, the running **time between** repair of ... some **failure** ratemeasure (by this we **mean** that a ... less likely to fail in a given **time** period ...Cited by 133 - [Related Articles](#) - [Web Search](#)**Measurement of Failure Rate in Widely Distributed Software - group of 4 »**

R Chillarege, S Biyani, J Rosenthal - 25th Int. Symp. on Fault-Tolerant Computing (FTCS-25), 1995 -

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... Figure 4: **Software Failure** Bates of Releases 1 and 2 around .04 for release 2,corresponding to **mean times between failures** of about 4 years and 2 years, respec ...Cited by 55 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**RAID: high-performance, reliable secondary storage - group of 73 »**

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... must conclude that the performance gap **between** micro- processors ... are highly vulnera-ble to disk **failures** however ... An MTTF (**mean-time-to-failure**) of 200,000 hours ...Cited by 647 - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

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